

Work Order ID 156116***156116***

Page 1

Thursday, January 26, 2017 10:39:42 AM

Item ID: D4646-1

Accept

N900040100

Setup Start

NS1

Revision ID:

DAS
13
9-89

Stop

NS2

Item Name: Plenum Cap Assembly

Start Date: 1/31/2017

Start Qty: 12.00

12

Cust Item ID:

Required Date: 2/14/2017

Req'd Qty: 12.00

12

FEB 02 2017

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date: JAN 26 2017

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D4646

A

100

0.00

100

Purchasing

Purchasing

Memo

0.00

Issue P/O:

35175

Purchase Part Number: PC7041-1

Supplier: BIRK AEROSYSTEM CORPORATION

Certificate of conformity is required

25

FEB 02 2017

DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.04

25X SP17-0227

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Misread	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Turning Sequence	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____							
Misidentified	☐	Past Due	☐								

Work Order ID 156116***156116***

Page 2

Thursday, January 26, 2017 10:39:42 AM

Item ID: D4646-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Plenum Cap Assembly
Start Date: 1/31/2017 Start Qty: 12.00 ***12*** Cust Item ID:
Required Date: 2/14/2017 Req'd Qty: 12.00 ***12*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00				25			DAS 38 9-89 FEB 28 2017
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: mfoog Memo	0.00 0.02				25			DAS 6 9-89 MAR 01 2017
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.20							DAS 21 9-89 MAR 02 2017 DAS 21 9-89 MAR 02 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified	☐	Past Due	☐				

Picklist Print

Thursday, January 26, 2017 10:39:46 AM

Page 1

Work Order ID: 156116

156116

Parent Item: D4646-1

D4646-1

Parent Item Name: Plenum Cap Assembly

Start Date: 1/31/2017

Required Date: 2/14/2017

Start Qty: 12.00

Required Qty: 12.00

Comments: Ipp RevA 12.05.31 new issue EC verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PC7041-1 *PC7041-1* Plenum Cap Assembly		Purchased	No			110	Each	0.0000	1	12			

25x SP H-02-27.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

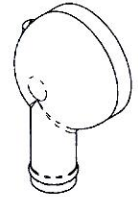
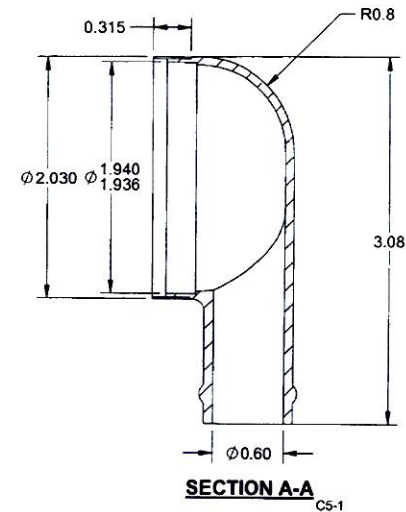
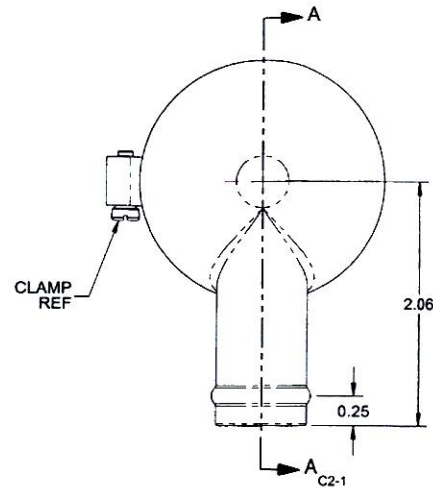
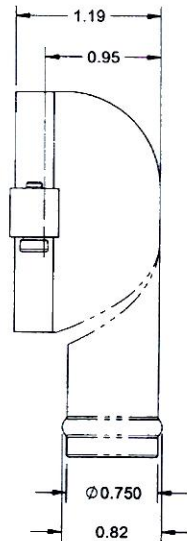
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 156116 M/S
1701-26

DART PART NUMBER	DESCRIPTION	VENDOR	VENDOR PART NUMBER	WEIGHT (lbs)
D4646-1	PLENUM CAP WITH GEAR CLAMP	BIRK AEROSPACE CORPORATION	PC7041-1	0.05

D4646-X PLENUM CAP ASSEMBLY

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: PER TABLE

A NEW ISSUE		RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		
DATE	12.07.25		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D4646
REV. A
SHEET 1 OF 1
TITLE
PLENUM CAP
SCALE
NTS

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WRITTEN PERMISSION FROM DART AEROSPACE LTD



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35175**

Purchase Order Date 2/2/2017 8:12:14 AM
PO Print Date 2/2/2017

Page Number 1 of 2

Order From : VU-BIR001
BIRK AEROSYSTEMS CORPORATION
14321 COMMERCIAL DRIVE
GARDEN GROVE, CALIFORNIA 92843

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FEB 02 2017

E-MAILED

Contact Name
Vendor Phone 714-554-9782

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	PC7041-1	Plenum Cap Assembly	3/6/2017 Yes 3/6/2017		25.00 Each	\$11.42	\$285.50
	AS PER DWG D4646 REV. A B156116	DAS 38 9-89					
						Line Total:	\$285.50
2	71401-45	PROCUREMENT QUALITY CLAUSES	3/6/2017 No 3/6/2017		1.00	\$0.00	\$0.00
	PROCUREMENT QUALITY CLAUSES A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A025 CERTIFICATE OF CONFORMANCE A040 NOTIFICATION OF QUALITY OF ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENT						
						Line Total:	\$0.00

Note:

2/2/2017

BAC**BIRK AEROSYSTEMS CORPORATION**

14321 Commerce Drive
Garden Grove, California 92843
Telephone: (714) 554-9782 Telefax: (714) 554-3659

DATE: 02/24/17

CUSTOMER PO: PO35175

SHIPPER NO.: DAR170224

CERTIFICATE OF CONFORMITY / PACKING LIST

SHIP TO: **DART AEROSPACE LTD**
1270 ABERDEEN
HAWKESBURY ON K6A 1K7
Canada

PO ITEM	PRODUCT NO.	DESCRIPTION	QUANTITY		LOT CODE	LOT QTY	SERIAL NO.
			ORDERED	SHIPPED			
1	PC7041-1	PLENUM CAP ASSY (REV. -)	25	25	1702552 MFG: 1707	25	-
VALUE FOR CUSTOMS: \$285.50 USD Country of Manufacture: United States							

CLAIMS FOR SHORTAGES OR MATERIAL DISCREPANCY MUST BE MADE WITHIN 15 DAYS AFTER DATE SHIPPED.

CERTIFICATE OF CONFORMANCE: THIS IS TO CERTIFY THAT THE PARTS FURNISHED ON THIS ORDER HAVE BEEN FUNCTIONALLY TESTED IN ACCORDANCE WITH STANDARD PROCEDURES DEFINED BY BAC. MATERIAL AND/OR PARTS FURNISHED IN THIS ORDER HAVE BEEN MANUFACTURED IN ACCORDANCE WITH ALL APPLICABLE INSTRUCTIONS AND SPECIFICATIONS. PHYSICAL AND CHEMICAL DATA WHICH PERTAINS TO THIS ORDER ARE AVAILABLE FOR INSPECTION.

QTY VERF

**FEDEX PRIORITY COLLECT**

#3


QUALITY CONTROL INSPECTOR